

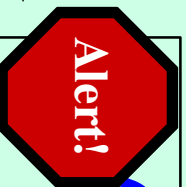
Emission Sources:

# Time Scale of Solar Effects



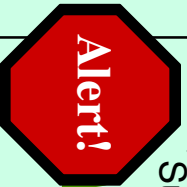
Space  
Environment  
Center

X-Ray



Sunlit Ionospheric Disturbance

Radio



Radio Interference  
due to Radio Waves

Watch  
for Solar  
Events

Energetic  
Particles



Radiation

due to Energetic  
Particles due to Ionospheric  
Storm

PCA Event

Solar  
Plasma



Magnetic Storm

1 minute

10 minutes

1 hour

10 hours 1 day

10 days

(Time 0 is 8 minutes after a solar event)

Log Scale of Time